



## IE-3105-8T2C-E DataSheet

Cisco IE-3105-8T2C-E: 8×Gigabit RJ45, 2×Combo uplink, L2NAT, rugged DIN rail switch for automation, manufacturing, utilities, and industrial machine networks.

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### IE-3105-8T2C-E Description

Cisco Catalyst IE-3105-8T2C-E is a robust industrial Ethernet switch featuring 8 Gigabit copper ports and 2 combo uplinks (SFP or RJ45). Part of the enhanced IE3105 family, it supports advanced features like L2 Network Address Translation (L2NAT) for industrial machine networks, secure Layer 2 switching, and robust industrial protocol support. With fanless DIN rail design, wide voltage range, and extreme temperature operation, the IE-3105-8T2C-E is ideal for smart manufacturing, utilities, and transportation OT networks.

### Product Highlights

Ethernet Ports

Combo Ports

Forwarding Rate

### Quick Specs

| Key Parameter | Value |
|---------------|-------|
| Total Ports   | 10    |

|                   |                                       |
|-------------------|---------------------------------------|
| Downlink Ports    | 8 × 1G RJ45                           |
| Uplink Ports      | 2 × Combo (1G SFP or 1G RJ45)         |
| PoE Supported     | No                                    |
| Power Input       | Dual DC (12–48V nominal, 9.6–60V abs) |
| Forwarding Rate   | Line rate for all ports               |
| MAC Address Table | 8,000 entries                         |
| VLANs Supported   | 256                                   |
| Mounting          | DIN rail                              |
| Software License  | Network Essentials                    |

## Key Features

## Rugged Industrial Ethernet Switch Product Comparison

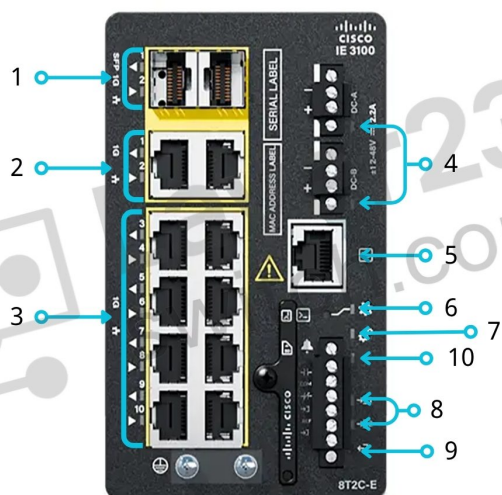
| Model             | IE-3105-8T2C-E     | <a href="#">IE-3100-8T4S-E</a> | <a href="#">IE-3200-8T2S-E</a> |
|-------------------|--------------------|--------------------------------|--------------------------------|
| Downlink Ports    | 8×1G RJ45          | 8×1G RJ45                      | 8×1G RJ45                      |
| Uplink Ports      | 2×Combo (SFP/RJ45) | 4×1G SFP                       | 2×1G SFP                       |
| PoE Supported     | No                 | No                             | No                             |
| L2NAT Support     | Yes                | No                             | No                             |
| Max. Total Ports  | 10                 | 12                             | 10                             |
| MAC Address Table | 8,000              | 8,000                          | 8,000                          |
| VLANs Supported   | 256                | 256                            | 256                            |
| Forwarding Rate   | Line rate          | Line rate                      | Line rate                      |
| Power Input       | Dual DC (12–48V)   | Dual DC (9.6–60V)              | Dual DC (9.6–60V)              |

|                  |                    |                    |                    |
|------------------|--------------------|--------------------|--------------------|
| Mounting         | DIN rail           | DIN rail           | DIN rail           |
| Operating Temp.  | -40°C to +75°C     | -40°C to +75°C     | -40°C to +75°C     |
| Software License | Network Essentials | Network Essentials | Network Essentials |

## IE-3105-8T2C-E Front Panel Overview

The illustrations in this section provide an overview of the variety of components available on the various switch models in this product family. Not all models are illustrated.

| Number | Feature                     | Number | Feature   |
|--------|-----------------------------|--------|---|
| 1      | Dual-media SFP port LEDs    | 6      | Express Setup LED   |
| 2      | Dual-media copper port LEDs | 7      | System LED  |
| 3      | 1000BASE-T port LEDs        | 8      | Alarm input LEDs  |
| 4      | Power connector LED         | 9      | Alarm output LED  |
| 5      | Management console LED      | 10     | PoE Status LED Note This LED is present in PoE models only. |



## Specification

| Parameter                | Value                                      | Parameter                | Value                         |
|--------------------------|--|--------------------------|-------------------------------|
| <b>Model</b>             | IE-3105-8T2C-E                             | <b>Ports</b>             | 8×1G RJ45, 2×Combo uplink     |
| <b>PoE Supported</b>     | No   | <b>Mounting</b>          | DIN rail                      |
| <b>Dimensions</b>        | 5.00×3.00×5.08 in<br>(12.70×7.62×12.90 cm) | <b>Weight</b>            | 2.3 lb (1.04 kg)              |
| <b>Power Input</b>       | Dual DC 12–48V nominal (9.6–60V abs)       | <b>Power Consumption</b> | 28W                           |
| <b>MAC Address Table</b> | 8,000                                      | <b>VLANs</b>             | 256                           |
| <b>Forwarding Rate</b>   | Line rate, all packet sizes                | <b>Queues</b>            | 8 egress                      |
| <b>Alarm I/O</b>         | 2 dry-contact alarm inputs                 | <b>Console Ports</b>     | 1×RS-232 (RJ-45), 1×Micro USB |
| <b>Operating Temp.</b>   | –40°C to +75°C                             | <b>Storage Temp.</b>     | –40°C to +85°C                |
| <b>Software License</b>  | Network Essentials                         | <b>DRAM</b>              | 4 GB                          |

| Parameter        | Value                                | Parameter             | Value                                      |
|------------------|--------------------------------------|-----------------------|--|
| <b>SD Card</b>   | 1/4/16 GB (optional)                 | <b>Management</b>     | WebUI, CLI, SNMP, Cisco Catalyst Center    |
| <b>Protocols</b> | EtherNet/IP, PROFINET, Modbus, L2NAT | <b>Certifications</b> | IEC 62443-4-1/4-2, EN 55032A, EN 61000-6-2 |

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